19980926.ba v02_n231.bam.980926 v02_n232.bam.980926

>From ???@??? Sat Sep 26 08:42:17 1998
Message-Id: <199809260656.BAA03679@sco.theporch.com>
Date: Sat, 26 Sep 1998 01:55:19 CDT
Subject: BOATANCHORS digest 2231

BOATANCHORS Digest 2231

Topics covered in this issue include:

1) Progressive Edu-Kits
by Richard Post <post@ouvaxa.cats.ohiou.edu>
2) Re: Progressive Edu-Kits
by "Arden Allen" <gumbear@pacbell.net>
3) EICO reflector
by Ed Tanton <n4xy@att.net>
4) Re: GB> RF Radiation: Funzies!
by "Tom R. Rice" <tomrice@netcom.com>
5) Cooking birds
by "Arden Allen" <gumbear@pacbell.net>
6) RF Safety
by cswiger <cswiger@wilma.widomaker.com>
7) Re: Cooking birds

by Bill Jarvis <maestro@cix.co.uk>
8) Re: RF Safety
by CARRJJ@aol.com
9) Re: That's -->THIS<-- Sunday...
by Al Parker <anchor@coastalnet.com>
10) Re: Radio(tron) Designer's Handbook Update
by Al Parker <anchor@coastalnet.com>
11) Re: RF Safety

by Bill Jarvis <maestro@cix.co.uk>
12) More on the Star 600
by thompson@mindspring.com
13) Re: RF Safety
by Bob Roehrig <broehrig@admin.aurora.edu>
14) Re: Progressive Edu-Kits
by "Roger A. McCarty" <rmccarty@earthlink.net>
15) Re: RF Safety
by Mike Sewell <K0CRX@compuserve.com>
16) RE: GB> RF Radiation: Hazard?
by "Jim Berry" <basalop@gte.net>
17) Re: RF Safety
by "Mike B. Feher" <n4fs@monmouth.com>
18) Wanted Coil SX101

     by Leslie Zwiebel <wb6orz@pacbell.net>
 19) Re: Regressive Edu-Kits
     by Kargokult@aol.com
 20) Re: RF Safety
     by Jerry Proc <jproc@idirect.com>
 21) Re: SUBJECT: Superhet & M. Lecault
     by "steve" <scb@mail.internettport.net>

Message-Id: <v03007804b2315e4f575a@[132.235.47.54]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Fri, 25 Sep 1998 12:08:39 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Richard Post <post@ouvaxa.cats.ohiou.edu>
Subject: Progressive Edu-Kits

Tubesters,

Looking at the Meissner kit book brought to mind the Progressive Edu-Kit ads. I remember the ads in Popular Electronics and other mags and was always curious about these kits which promised so much for $23.95 or near that. Never had the extra bucks at the time. I finally found one of these that someone had started to build but apparently had no soldering iron. I have all of the parts, even the solder, the spaghetti sleeving and the headphone, except for the resistance line cord. But the most important piece is the manual which mostly satisfies the curiosity of my youth. The simple chassis lets you build 1, 2, and 3 tube radio sets, amplifiers, signal tracer, broadcaster, etc. All are transformer-less hot chassis design. Power supplied by a selenium rectifier. The same resistance line cord is used for 1, 2, or 3 tube filaments in series!

Maybe I'll try a few of the circuits, fed with my Heath external power supply. Or am I destroying a piece of history by building the kits?

Anybody on BA actually build these kits?

Rich

==
      Boatanchor Pix website - KB8TAD
 http://ouvaxa.cats.ohiou.edu/~post/PIX/BA.html

visit the Museum of Radio and Technology website
   http://ouvaxa.cats.ohiou.edu/~post/MRT/

Message-Id: <199809251731.KAA15440@mail-gw6.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Progressive Edu-Kits
Date: Fri, 25 Sep 1998 10:33:35 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Rich sez:

> Looking at the Meissner kit book brought to mind the Progressive Edu-Kit
> ads. I remember the ads in Popular Electronics and other mags and was
> always curious about these kits which promised so much for $23.95 or near
> that. Never had the extra bucks at the time. I finally found one of
these
> that someone had started to build but apparently had no soldering iron.
I
> have all of the parts, even the solder, the spaghetti sleeving and the
> headphone, except for the resistance line cord. But the most important
> piece is the manual which mostly satisfies the curiosity of my youth.
The
> simple chassis lets you build 1, 2, and 3 tube radio sets, amplifiers,
> signal tracer, broadcaster, etc. All are transformer-less hot chassis
> design. Power supplied by a selenium rectifier. The same resistance line
> cord is used for 1, 2, or 3 tube filaments in series!

Well, at least one of them was sold.....to me! I was amazed by the tiny wax capacitors in the kit. I built the code practice oscillator and soon got bored with it and then started on the amplifier. I didn't like having to tear up my "beautiful work" to build another circuit, I would have preferred to keep what I built.   Because I had played with some AC-DC radios I was familiar with the shock hazard problem and didn't get into trouble there but connecting the amp to a phono posed some problems. If it only had had a power transformer. Can you imagine trying to sell something like that today in litigious America? The documentation was skimpy, not much to learn from. I never finished the amp. I soon realized that the Progressive Edu-Kit was more rip-off than useful electronics. I guess some other folks also did as they only lasted a couple of years or so (if memory serves me).

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Message-Id: <3.0.5.32.19980925133049.00bb3100@postoffice.worldnet.att.net>
Date: Fri, 25 Sep 1998 13:30:49 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Ed Tanton <n4xy@att.net>

Subject: EICO reflector
Cc: baswaplist@foothill.net, eico@qth.net, homebrew@qth.net, qrp-l@Lehigh.EDU,
        vss@list.tempe.gov
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

An EICO reflector has been established at QTH.NET for people interested in EICO equipment. While the primary intent of the list is the discussion of EICO equipment, you may buy, sell, and trade on EICO. You can sign up for the list by sending:

subscribe EICO <email@addr.net> where <email@addr.net> represents your email address.

If you have any problems, please let me know, as I will be doing the admin for the list. I look forward to hearing from all those who are interested in this fine line of boat anchor equipment.

73

```
__________________________________________________________
Ed Tanton   N4XY                             EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA  30068-3466           TEL: (770)579-3933 V/MBX/FAX
__________________________________________________________
INTERESTS:   QRP     BoatAnchors   Test Equipment     Photography
CW: 99.9%             Mercury Paddle # 0214          QRP to 150W: 95%
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
"Think you can, think you can't: either way you're right!"      Henry Ford
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
```

From: "Tom R. Rice" <tomrice@netcom.com>
Message-Id: <199809251800.LAA21439@netcom3.netcom.com>
Subject: Re: GB> RF Radiation: Funzies!
To: Old Tube Radios <boatanchors@theporch.com>
Date: Fri, 25 Sep 1998 11:00:49 -0700 (PDT)
Cc: glowbugs@piobaire.mines.uidaho.edu (free glowbugs)
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> A real quickie about RF radiation danger.
> The worst problems *known* for sure are not that the stuff will cuase cancer, but that it will *cook* you. <snip>

This reminds me of the halcyon days when I was a member of the 581st OIFCRD maintaining M-33 Radar Fire Control Systems (ca. 1954-55). It was universally understood that the X-band emissions from the Track Radar antenna, a classic u-wave lens design, would induce temporary sterility if directed at the loins of leave-bound troops.

Needless to say, there were many requests for us to give these guys zaps as they left the base on weekend passes, so we happily obliged, but didn't actually fire the magnetron. (I take no responsibility for unplanned conceptions!)

Each repair person had to try, one time, holding his hand in front of the waveguide to experience the heating effect. You could visually track flights of ducks and then turn on the beam and the birds would immediately break their formation and fly every which way. Focussed Megawatt-range pulsed emissions are great fun! Somehow, I kinda miss those days. :-(

Mebbe the twin-45 Hartley (in the works) will bring back the thrill.

73 de WB6BYH

--
"Start off every day with a smile and get it over with." --W.C.Fields
Tom R. Rice
tomrice@netcom.com

Message-Id: <199809251848.LAA14229@mail-gw6.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Cooking birds
Date: Fri, 25 Sep 1998 11:51:12 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

It sure made my day to learn that Harvest Radio (and undoutably many other high powered airwave polluters) are responsible for some of the declining wildlife populations on Spaceship Earth.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Fri, 25 Sep 1998 15:18:52 -0400 (EDT)

From: cswiger <cswiger@wilma.widomaker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RF Safety
Message-ID: <Pine.BSF.3.96.980925151532.18004A-100000@wilma.widomaker.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Roberta J. Barmore [rbarmore@indy.net] informs us that:

>pick up dead birds from the main beam of inactive antennas. They get
>cooked as they fly down the throat of the big log-periodics. That would
>be HF RF, allee same kind as comes out a ham rig, and it cooks critters
>too. (Remember diathermy?)

Another use of high power RF, involving big water cooled tubes is in industrial heating. I'd worked for a time in a railroad bearing mfg plant and they used several big Westinghouse induction heaters to rapidly get metal red hot, and used somewhere around 450 - 500 Kc, below bc band, if memory is correct, a freq assigned to industrial heaters.
Interesting to work with basically a big sloppy transmitter (who needs a clean signal there) with a tank circuit meter reading circulating currents up to 500 amps.

They were used to 1) melt the raw 'wire' we got right before it was cut and put into the first presses, 2) used for heat treating and hardening bearing races that were nearly finished and 3) a small one in the metallurgy lab to vaporise metal samples for chemical analysis. They all involved a coil or loop 'antenna' shaped around the part (the manuals had some guidelines on antenna design but admitted it was a bit of a black art, you just have to experiment untill you get max power transfer).

So even MF can cook things.

Now I'd also operated a station when I lived in one apartment. It was just about 35 ft at the longest so I strung up a 20 mtr dipole and fed it with a Galaxy V, pair 6HF5 about 300W max, with the feed point about 6 feet from the operating position! Pretty stupid I'll admit.
One had to be careful while tuning up not to touch the chassis else you get little white burn marks on your fingertips.

That setup didn't give me cancer. One can either play it safe or take chances with the unknown. It did get RTTY into Europe.

Chuck
kb4new

cswiger@widomaker.com

Message-Id: <199809252121.WAA03432@mail.compulink.co.uk>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
From: Bill Jarvis <maestro@cix.co.uk>
CC: <boatanchors@theporch.com>
Date: Fri, 25 Sep 1998 22:18:40 +500
Subject: Re: Cooking birds

On 1998-09-25 gumbear@pacbell.net said:

> It sure made my day to learn that Harvest Radio (and undoutably
> many other high powered airwave polluters) are responsible for some
> of the declining wildlife populations on Spaceship Earth.
> Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Yerrs. I've been trying for years to get the BBC to mention that they
emit far more em radiation than do power lines.

============   =====   =====   BILL J.   =====   =====   ============
GM8APX, qthr   Edinburgh, Scotland, UK

Sentio aliquos togatos contra me conspirare

Net-Tamer V 1.12 Beta - Registered

From: CARRJJ@aol.com
Message-ID: <5cd25d3e.360c12ab@aol.com>
Date: Fri, 25 Sep 1998 18:01:15 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: RF Safety
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-09-25 15:21:32 EDT, you write:

<< boatanchors@theporch.com >>

Cooking birds in the main lobe? Hmmmm. What angle is subtended by the antenna,
and what angle is subtended by one large bird. The proportion of output power
used to irradiate Big Bird would then be Angle-Bird/Angle-Antenna....not a

very large number I'd say. Sorry, but I don't believe it. Another urban legend?

Message-Id: <3.0.5.32.19980925200609.00811150@mail1.coastalnet.com>
Date: Fri, 25 Sep 1998 20:06:09 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Al Parker <anchor@coastalnet.com>
Subject: Re: That's -->THIS<-- Sunday...
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Let's not forget the 10m AM freq., 29.0
If condx co-operate, might be a bunch of converted CB's, plus maybe some "heavy metal".
I pulled out what may be the Cadillac of small bore AM on 10, a Gonset G-28. After removing lots of dust, and replacing the 6146, it got 28 watts out, and on a "dead" band last nite, heard a So. American stn (PY2) on CW - used the "spot" function as a BFO.
My 40m xtal is 7042, hope to have one or two rigs there.
My first CX - haven't had the time or temperament the last year or 2.
(or good selection of CX gear)

CU on CX,

73,
Al, W8UT
New Bern, NC
Boat Anchors appreciated here
anchor@coastalnet.com

Message-Id: <3.0.5.32.19980925201311.0080fac0@mail1.coastalnet.com>
Date: Fri, 25 Sep 1998 20:13:11 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Al Parker <anchor@coastalnet.com>
Subject: Re: Radio(tron) Designer's Handbook Update
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I called Tech America this AM, 800 877-0072
They have the RadioTron in stock now

I ordered one, # 920-2529, $46.86
plus another can of DeOxit # 910-3879 $7.95 for 200ml

check their website www.techam.com

they have the monthly specials there, plus stuff not in the big catalog, so
you don't even need the flyer.
I didn't get the last one, glad guys alerted us to RadioTron.

this is an unsolicited testimony, or is that an unpaid solicitation?
73

73,
Al, W8UT
New Bern, NC
Boat Anchors appreciated here
anchor@coastalnet.com

Message-Id: <199809260023.BAA03862@mail.compulink.co.uk>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
From: Bill Jarvis <maestro@cix.co.uk>
CC: <boatanchors@theporch.com>
Date: Sat, 26 Sep 1998 01:20:10 +500
Subject: Re: RF Safety

On 1998-09-25 CARRJJ@aol.com said:

> In a message dated 98-09-25 15:21:32 EDT, you write:
> << boatanchors@theporch.com >>
> -------------------------
> Cooking birds in the main lobe? Hmmmm. What angle is subtended by
> the antenna, and what angle is subtended by one large bird. The
> proportion of output power used to irradiate Big Bird would then be
> Angle-Bird/Angle-Antenna....not a very large number I'd say. Sorry,
> but I don't believe it. Another urban legend?

Some long time ago I worked on an air station where we had a beacon with a ground level horn antenna for aircraft to find the runway in fog.

In rainy weather it always went askew, even immediately after being calibrated.

Only thing to do: get out there during bad weather and try to see what was changing.

We found the armed civilian guard sitting inside the horn, sheltering from the rain.

Didn't seem to have done HIM any harm.....

============   =====   =====   BILL J.   =====   =====   ============

GM8APX, qthr   Edinburgh, Scotland, UK

++My old fax machine is Y2K-OK, if I subtract 28 years++

Net-Tamer V 1.12 Beta - Registered

From: thompson@mindspring.com
Message-ID: <003901bde8ed$c55f6b20$338145cf@default>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: More on the Star 600
Date: Fri, 25 Sep 1998 21:34:14 -0400

I got a reply from someone who knows the older Star equipment. Hope this is useful info. Some Star receivers are in the back of the Osterman book (550 must be close to the 600). Nothing in the Moore book. Nothing in the Rippen book on the Star 700 TX either.

--copy

Hello,
The Star 600 is not a part of Star line, the Star line is consisted of ST700, transmitter with pair of 6146's and using Kokusai 2.1 KHZ mechanical filter for SSB generating, the SR700 is the receiver with triple conversion similar to Drake 2 B in IF frequency schemeusing LC filters Both looked like somewhat
copy of Collins S line..They were considered one of the best Japanese made during 1960 era but it is actually dissapointing, I have 2 sets of complete Star line waiting to be restored. For general information, Star used to make AM and FM tuner kits for general public, not for hams only for about 10 years until late 60's and went bankrupt and most of the engineering staff was hired by Yaesu and Trio (Kenwood) who eventually developed FL100,FR100 to
FRdx400,FLdx400 then to FT100 to FT101 for Yaesu and TX88 AM transmitter and 9R42,9R59 rcvrs to TS510,TS511,TS520,TS820,TS830, etc. for Trio Kenwood. The SR600 is the lower priced rcvr with double conversion with LC filters, it is not a real good receiver, I would say Drake 2B outperforms any of old Star receiver, SR500,600,700.
Best luck to you.
de K6hm The Kim Family
--end copy

Date: Fri, 25 Sep 1998 20:45:45 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: RF Safety

Message-ID: <Pine.ULT.3.96.980925204229.25473F-100000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Back in the 60's when I was "working" at an army NIKE site, we had a 5 Megawatt radar by Raytheon. It usually rotated at 5 RPM. One day the alert klaxons went off so we went scrambling up the hill. One of the guys had just bought a couple of packs of flash bulbs in the PX and had them in his field jacket pockets.

It so happened that the Acquisition Radar operator was already in the van on guard duty and immediately fired up his radars. The instant that antenna swept around our direction, this other guys pockets exploded :-)

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu   73 de Bob, K9EUI
CIS: Data / Telecom   Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Message-ID: <001801bde8f2$1cbcb220$8205b2d1@rmccarty.earthlink.net>
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Progressive Edu-Kits
Date: Fri, 25 Sep 1998 19:05:18 -0700
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow this brings back memories.

Yes, Rich I remember building all of the circuits in that kit. In fact, my very first exposure to electronics was via the edu-kit. I remember well the selenium rectifier stack. Congrats on your find and enjoy it. I would not want to offer advice on whether to build it or save it for it's historical value.   I'm pretty sure I would build it.

73

Roger KD6CC

-----Original Message-----
From: Richard Post <post@ouvaxa.cats.ohiou.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Friday, September 25, 1998 9:12 AM

Subject: Progressive Edu-Kits

>Tubesters,
>
>Looking at the Meissner kit book brought to mind the Progressive Edu-Kit
>ads

Date: Fri, 25 Sep 1998 22:28:50 -0400
From: Mike Sewell <K0CRX@compuserve.com>
Subject: Re: RF Safety
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199809252229_MC2-5AB3-8960@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Back in the mid-sixties when I was a GI, I was a TV cameraman on a mobile=

television production unit. (In retrospect, I think that's the only job
I've ever really enjoyed!!). Anyway, we were on location shooting a show=

about the Hawk missle system. Of course, this training facility had
running radars for the students to learn from. Because of safety and rfi=

considerations, they training facility did not rotate the HPAR (High Powe=
r
Acquistion Radar) antenna, but, kept it fixed and aimed down range. Our
mobile production unit and 'set' were located well away and behind the
antenna. Even so, each time the radar pulsed, it caused black bars acros=
s
all of our video monitors. We had to have the instructors shut the
acquisition radar down whenever we wanted to 'roll tape'.

73, Mike
K 0 Collects Radios eXclusively/WPE0CFK

From: "Jim Berry" <basalop@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <BOATANCHORS@list.tempe.gov>, <glowbugs@piobaire.mines.uidaho.edu>
Subject: RE: GB> RF Radiation: Hazard?
Date: Fri, 25 Sep 1998 19:49:08 -0700
Message-ID: <000801bde8f8$3b950fc0$5844fdd0@default>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Roberta said:

> A real quickie about RF radiation danger.
> The worst problems *known* for sure are not that the stuff will cause
> cancer, but that it will *cook* you.

I remember a story I heard once about fellers who worked on the old DEW line radar system. This was a ring of radar systems positioned along the Arctic Circle to warn us if the Ruskies were sending a big one our direction.

The snow was melted out in front of the antenna system. The guys who had to work out there in that nasty wx would walk into that area to get "warmed up". Probably not a 90's thing to do. I am curious if any of this actually caused any harm?

73 Jim K7SLI

Message-ID: <004901bde915$1ab50d60$3318bfd1@n4fs>
From: "Mike B. Feher" <n4fs@monmouth.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: RF Safety
Date: Fri, 25 Sep 1998 22:57:08 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It is all a matter of power density. Which for large reflector type antennas is maximum in the near field (0.1*2*D^2/w) or between the feed and the reflector. In the near field power is mostly confined to a cylinder coming out axially from the reflector and is fairly constant in that area, where D is the reflector diameter and w is the wavelength of operation. Most Radars operated at 10GHz or a wavelength of 3cm or about 1.2 inches. So for a 10 foot reflector with 100KW input, without accounting for losses or illumination taper (assuming uniform illumination), the power density on the reflector surface is the 100KW divided by the surface area which is pi*r^2 or about 1.4 W/cm^2. This is 140 or 280 times the recommended safety value of either 5mw/cm^2 or 10 mw/cm^2 depending on which you have to meet. Also, near field for this antenna at 10 GHz is approximately 200 feet. Therefore within 200 feet of the antenna, confined to the 10 foot diameter cylinder, the power density would be around that 1.4 W/cm^2. After that it diminishes rapidly till the far field boundary where it becomes the reciprocal of the distance squared. So is this power level enough to cook a bird, I doubt it, but it could make them warm. Duty cycle comes into play as well. Of course with greater power the power density goes up as well as with a smaller antenna. But with a smaller antenna the near field boundary moves in. Near the antenna feed the power density can be tremendous. I can feel it already like with the HRO-500 thread, what does this have to do with BAs. 73 - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193
-----Original Message-----
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Date: Friday, September 25, 1998 6:55 PM
Subject: Re: RF Safety

>
>Back in the 60's when I was "working" at an army NIKE site, we had
>a 5 Megawatt radar by Raytheon. It usually rotated at 5 RPM.
>One day the alert klaxons went off so we went scrambling up the hill.
>One of the guys had just bought a couple of packs of flash bulbs in
>the PX and had them in his field jacket pockets.
>
>It so happened that the Acquisition Radar operator was already in the
>van on guard duty and immediately fired up his radars. The instant
>that antenna swept around our direction, this other guys pockets
>exploded :-)
>
>   "Nostalgia is a thing of the past"
>   E-mail broehrig@admin.aurora.edu   73 de Bob, K9EUI
>   CIS: Data / Telecom   Aurora University, Aurora, IL
>   630-844-4898 Fax 630-844-5530
>
>

Message-ID: <360C5FF0.8A2CCA4A@pacbell.net>
Date: Fri, 25 Sep 1998 20:30:56 -0700
From: Leslie Zwiebel <wb6orz@pacbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Wanted Coil SX101
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, all. Wanted: for Hallicrafters SX 101 Series rcvr: Antenna Coil
L3, P/N 051-202196 (Band 3). Will gladly reimburse. Thanks!
73, Les

From: Kargokult@aol.com
Message-ID: <8fd8996d.360c61e5@aol.com>
Date: Fri, 25 Sep 1998 23:39:17 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: Regressive Edu-Kits
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-09-25 12:10:19 EDT,
post@ouvaxa.cats.ohiou.edu writes:

> The same resistance line
> cord is used for 1, 2, or 3 tube filaments in series!

---really ?!?! no additional resistance?

> Maybe I'll try a few of the circuits, fed with my Heath external power
> supply. Or am I destroying a piece of history by building the kits?

---this isn't likely to have a really strong collector interest in the future,
i would think. so unless you really like the presentation in the box,
i would say go ahead and try the circuits.

---actually, i mostly just wanted to relate this anecdote: do you recall
the 'Electronics Handbook' magazine that appeared periodically,
maybe biannually, thru maybe the mid 1990s, & that seemed to
be some kind of survivor of 'Elementary Electronics', which in
turn at least seemed to me to be another kind of survivor of that
noble classic, 'Radio TV Experimenter' ? the 'Handbook'
typical issue carried a theory article or 2, maybe a project
or 2, and a bunch of little schematics for 1 or 2 IC or
transistor circuits. by the mid 1980s they were still running
ads for Progressive Edu-Kit on the back cover. i wrote the
magazine, asking about the claims in the ad text,
because i was amazed and amused to see this dinosaur
still placidly grazing:

"will transistors really find a place in electronics?
is printed circuit use, really growing in electronics?
is soldering a grid-leak detector with a 1930s huge soldering
iron really a strong preparation for the electronics industry?
do you suppose Robert Shuff and Ben Silverio would be

surprised to see that their testimonials are still running in Progressive's ads, 30+ years later ? (original ad appeared in mid 1950s) "

the magazine responded, essentially: "yes, the ad copy is a little 'iffy', but the advertiser is a good account, always pays his bill. "

hue

Message-ID: <360C6ACF.25D94892@idirect.com>
Date: Sat, 26 Sep 1998 00:17:20 -0400
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: RF Safety
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dear BA'ers,

The Canadian Amateur Magazine featured an article on RF safety a while back. In one of the photos someone had actually strapped two rubber duckie antennas to the back of his ball cap. If running 1 to 2 watts, wonder if the RF field does any long term damage to the brain when the antenna is positioned on the cranium?

One could easily conclude from this that there can't possibly be any questions pertaining to RF safety on the amateur radio examination.

--

Regards,
Jerry Proc VE3FAB   jproc@idirect.com
Web: www3.sympatico.ca/hrc/haida
HMCS HAIDA Naval Museum, Toronto Ontario

Message-Id: <199809260707.CAA07981@loki.internettport.net>
From: "steve" <scb@mail.internettport.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sat, 26 Sep 1998 01:43:20 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: SUBJECT: Superhet & M. Lecault
CC: boatanchors@theporch.com

I wrote:

> Armstrongs' French WW1 colleague (& said to be co-developer of
> superheterodyne reception), Marcel Lecault,-------.

You wrote in an e-mail to me:

> I didn't know that superhet had a co-inventor, never seen ref. to it
> anywhere. I guess Armstrong was thinking about this when he was overseas
> in WWI France with Army Signal Corp.

Hi John and the Group;

That nugget came from a construction project of a Lecault super in a (long gone) mid '20s radio mag I had in the early '60s.

If I have it right, it all started as a WW1 early warning aircraft detection project intending to use a highly sensitive reciever to pick up the signature of aircraft engine ignition system RF noise at a distance. M.Lecault was supposed to have worked on it with Armstrong in France. As is well known, the early tubes were filament triodes with relatively high interelectrode capacitance coupling. Trying to force them into full gain at RF would usually result in instability and oscillation. Using multiple stages at lower gain was extravagantly wasteful and added noise along with gain, nullifying any advantage. The brilliance of the superhet solution was that it used a tuneable oscillator to add CW RF to the incoming signal at the first stage, outputting a difference frequency in the high AF range which the multiple amp stages could easily pass running full gain. The only tube in the system actually operating at RF was the one tube intended to oscillate.

Later on, Hazeltine patented the balanced bridge neutralized amplifier, a more elegant stage-by-stage solution. However the Superheterodyne system made for a better reciever overall than the Neutrodyne due primarily to it's simpler tuning requirements, I.E. the ease of adding gain stages without having to tune and track them. Also the (Q) gain shift from the lower to upper end of the dial tends to be additive. The fewer actively tuned stages, the less effect. The fixed tuned IF stages have uniform gain regardless of the reception frequency.

I don't know how the early warning aspect of the project came out, but the long term result was the core of modern high efficiency radio reception and Armstrongs second patent, which brings us back to M. Lecault. I can't say what Lecaults' participation or contribution was for sure. What I can say with some confidence is that RCA (Sarnoff) paid Armstrong for the rights to the superhet patent and there would be no advantage to having a possible co-inventor (& foreign national) to deal with.

Perhaps some of our esteemed colleagues on the list could illuminate
M. Lecaults' activities and contribution to the radio art. Please?

Regards & 73s; Steve (KF4TSW)

End of BOATANCHORS Digest 2231
****

>From ???@??? Sun Sep 27 06:28:01 1998
Message-Id: <199809270000.TAA14397@sco.theporch.com>
Date: Sat, 26 Sep 1998 18:59:44 CDT
Subject: BOATANCHORS digest 2232

BOATANCHORS Digest 2232

Topics covered in this issue include:

```
  1) Re: Spinning yoke radar
     by "steve" <scb@mail.internettport.net>
  2) Re: RF Safety

     by Bill Jarvis <maestro@cix.co.uk>
  3) Re: RF Safety

     by Bill Jarvis <maestro@cix.co.uk>
  4) tubes
     by rcote <rcote@pixi.com>
  5) Re: Progressive Edu-Kits
     by daniel wright <djw@unlinfo.unl.edu>
  6) re:RF Safety/popping bulbs
     by Mike Warren <m_warren@compuserve.com>
  7) RE: RF Safety/popping bulbs
     by "Katz, Gene S" <gene.s.katz@lmco.com>
  8) Meissner Receiver Kit
     by "Gretchen" <rbrunner@gis.net>
  9) Re: Meissner Receiver Kit
     by Bob Roehrig <broehrig@admin.aurora.edu>
 10) Relay help needed, please.
     by "Tom R. Rice" <tomrice@netcom.com>
 11) Re: Meissner Receiver Kit
     by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
 12) Re: Meissner Receiver Kit
     by Al Klase <skywaves@bw.webex.net>
```

13) tubes
    by rcote <rcote@pixi.com>
14) Re: Meissner Receiver Kit
    by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
15) FS: Halli PN 50C067 IF trans
    by "Roger Dillon" <rogerjd@gte.net>
16) FMLA: Boy "Over There"
    by mnhopkins@juno.com (Michael N Hopkins)
17) Re: Meissner Receiver Kit
    by Bob Roehrig <broehrig@admin.aurora.edu>
18) WTD: URM-26A Cal Info
    by "Richard Solomon" <w1ksz@tiac.net>
19) Western Electric 215A tubes
    by "Andrew E. Howard, Sr." <sweetbay@compuserve.com>
20) Re: Western Electric 215A tubes
    by "Mike B. Feher" <n4fs@monmouth.com>

Message-Id: <199809260707.CAA07972@loki.internettport.net>
From: "steve" <scb@mail.internettport.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sat, 26 Sep 1998 01:43:20 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Spinning yoke radar
CC: boatanchors@theporch.com

> W2CQH offers that conversion from polar to cartesian coordiates kept
> the 'spinning yoke' in PPI displays right thru the 70s.

Marty;

My first enlistment in my Army career was spent mostly with the HAWK anti-aircraft missle system (lastly on the Czech border during the '68 Russian invasion). I recall that the radar PPIs were spinning yoke and that the system was tube based, including the on-board missile guidance! The power source in the bird was a gas turbine generator fired by a solid fuel stick. HAWK was very reliable as well as devastatingly effective. Raytheon got this one 100% right. BTW, HAWK was acronym for Homing All the Way Killer. The missile recieved its guidance info from the ground radar reflection off the target aircraft. Ingenious!

Raytheon HAWK."When you want to send the very best".
(Apologies to Hallmark)

73s; Steve(KF4TSW)

Message-Id: <199809260754.IAA04490@mail.compulink.co.uk>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
From: Bill Jarvis <maestro@cix.co.uk>
CC: <boatanchors@theporch.com>
Date: Sat, 26 Sep 1998 08:51:37 +500
Subject: Re: RF Safety

On 1998-09-25 K0CRX@compuserve.com said:

> Back in the mid-sixties when I was a GI, I was a TV cameraman on a mobile television production unit. (In retrospect, I think that's the only job I've ever really enjoyed!!). Anyway, we were on location shooting a show about the Hawk missle system. Of course, this training facility had running radars for the students to learn from. Because of safety and rfi considerations, they training facility did not rotate the HPAR (High Powe r Acquistion Radar) antenna, but, kept it fixed and aimed down range. Our mobile production unit and 'set' were located well away and behind the antenna. Even so, each time the radar pulsed, it caused black bars acros s all of our video monitors. We had to have the instructors shut the acquisition radar down whenever we wanted to 'roll tape'.
>
> 73, Mike
> K 0 Collects Radios eXclusively/WPE0CFK

During the Falklands "war", some viewers were concerned at the security breaches being made on an almost hourly basis by our reporters out there. By interfering with the commentators' audio, the radars told us their pulse repetition frequency and period; and the pictures showing the aerials on board the destroyers showed us the frequency bands being used for communications and for radar.

One Member of Parliament understood this and tried to have it stopped but the majority of our government at the time could not understand the problem.

You could say that the other side would have found out all they wanted to know in half an hour, anyway.

============ ===== ===== BILL J. ===== ===== ============

GM8APX, qthr   Edinburgh, Scotland, UK

Video meliora, proboque deteriora sequor

Net-Tamer V 1.12 Beta - Registered

Message-Id: <199809260754.IAA04505@mail.compulink.co.uk>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
From: Bill Jarvis <maestro@cix.co.uk>
CC: <boatanchors@theporch.com>
Date: Sat, 26 Sep 1998 08:51:43 +500
Subject: Re: RF Safety

On 1998-09-25 n4fs@monmouth.com said:

> Cc: "Old Tube Radios" <boatanchors@theporch.com>
> It is all a matter of power density. Which for large reflector type antennas is maximum in the near field (0.1*2*D^2/w) or between the feed and the reflector. In the near field power is mostly confined to a cylinder coming out axially from the reflector and is fairly constant in that area, where D is the reflector diameter and w is the wavelength of operation. Most Radars operated at 10GHz or a wavelength of 3cm or about 1.2 inches. So for a 10 foot reflector with 100KW input, without accounting for losses or illumination taper (assuming uniform illumination), the power density on the reflector surface is the 100KW divided by the surface area which is pi*r^2 or about 1.4 W/cm^2. This is 140 or 280 times the recommended safety value of either 5mw/cm^2 or 10 mw/cm^2 depending on which you have to meet. Also, near field for this antenna at 10 GHz is approximately 200 feet. Therefore within 200 feet of the antenna, confined to the 10 foot diameter cylinder, the power density would be around that 1.4 W/cm^2. After that it diminishes rapidly till the far field boundary where it becomes the reciprocal of the distance squared. So is this power level enough to cook a bird, I doubt it, but it could make them warm. Duty cycle comes into play as well. Of course with greater power the power density goes up as well as with a smaller antenna. But with a smaller antenna the near field boundary moves in. Near the antenna feed the power density can be tremendous. I can feel it already like with the HRO-500 thread, what does this have to do with BAs. 73 - Mike Mike B. Feher, N4FS 89 Arnold Blvd. Howell, NJ, 07731
> 732-901-9193
> -----Original Message-----
> Cc: Old Tube Radios <boatanchors@theporch.com>
> Date: Friday, September 25, 1998 6:55 PM
> >Back in the 60's when I was "working" at an army NIKE site, we had

```
    >a 5 Megawatt radar by Raytheon. It usually rotated at 5 RPM.
    >One day the alert klaxons went off so we went scrambling up the
    >hill. One of the guys had just bought a couple of packs of flash
    >bulbs in the PX and had them in his field jacket pockets.
    >It so happened that the Acquisition Radar operator was already in
    >the van on guard duty and immediately fired up his radars. The
    >instant that antenna swept around our direction, this other guys
    >pockets exploded :-)
    >                    "Nostalgia is a thing of the past"
    >        E-mail broehrig@admin.aurora.edu           73 de Bob, K9EUI
    >            CIS: Data / Telecom   Aurora University, Aurora, IL
    >                      630-844-4898  Fax 630-844-5530

I agree with your calculations. I think the problem is that the birds
like the warmth and continue to fly fast towards the source.




============   =====   =====   BILL  J.   =====   =====   ============
GM8APX, qthr                                Edinburgh, Scotland, UK

                            Veni, vidi, vici

Net-Tamer V 1.12 Beta - Registered

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Message-ID: <360CC933.3E3C9230@pixi.com>
Date: Sat, 26 Sep 1998 01:00:03 -1000
From: rcote <rcote@pixi.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: tubes
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit



------------------------------
Message-Id: <199809261238.HAA04106@unlinfo2.unl.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 26 Sep 1998 07:48:26 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: daniel wright <djw@unlinfo.unl.edu>
Subject: Re: Progressive Edu-Kits
Cc: boatanchors@theporch.com


>Anybody on BA actually build these kits?
```

Hey Rich...and the group...

Oh yeah,you bet I had one of these kits. I mean,where else could you
at the time, get SO MANY kits(?) for $24.95? I remember thinking that
if I got one of these "Edu"-kits and put all that stuff together,then
I would know everything there was to know about electronics! About the
only thing I learned (or still remember (8-/..) is to keep my fingers
out from under that U-shaped piece of aluminum that was used for the
chassis with the power cord plugged in...ZZZAAAAPP!!!!

Nice memories.....

73 de Dan -- WA0JRD ..
WPE0DEN
djw@unlinfo.unl.edu
Lincoln,Nebraska

Date: Sat, 26 Sep 1998 09:49:25 -0400
From: Mike Warren <m_warren@compuserve.com>
Subject: re:RF Safety/popping bulbs
To: Old Tube Radios <boatanchors@theporch.com>
Cc: BOATANCHORS <boatanchors@sco.theporch.com>
Message-ID: <199809260949_MC2-5ABA-E271@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Message text written by Old Tube Radios
> The instant that antenna swept around our direction, this other guys
pockets
exploded :-)
>

Hi Bob,

Reminds me of my USN shipboard days. We had an SPS-8 height finder radar=

and would toss flashbulbs in the air in front of the antenna and watch th=
em
"pop".
We would also "impress" visitors at a Navy HF Transmitter site (Adak) by
walking around the transmitter room holding a fluorescent tube that would=

light as we approached some of the transmitters. (They used open-wire feeders to the antennas).

Mike Warren
W5MAZ (in MN)

Content-return: allowed
Date: Sat, 26 Sep 1998 10:10:16 -0400
From: "Katz, Gene S" <gene.s.katz@lmco.com>
Subject: RE: RF Safety/popping bulbs
To: Old Tube Radios <boatanchors@theporch.com>
Cc: BOATANCHORS <boatanchors@sco.theporch.com>
Message-id: <D977A62BE8F4D111B31E0000F8081AD0841375@emss04m16.ems.lmco.com>
MIME-version: 1.0
Content-type: text/plain

At the old RCA golfball in Moorestown, NJ (off of 295), techs used to cook hot dogs on the 3rd shift by holding them in front of the illuminator. Later they used the SPG illuminators (Aegis system) for nuking microwave meals.
Gene S. Katz
Senior Member Engineering Staff
Lockheed Martin Government Electronic Systems
Bldg 108-136, PO Box 1027
199 Borton Landing Road
Moorestown, NJ 08057-0927

(609)722-3035 ph
(609)722-2310 fax
gene.s.katz@lmco.com

Message-Id: <199809261559.LAA04534@home.gis.net>
From: "Gretchen" <rbrunner@gis.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Meissner Receiver Kit
Date: Sat, 26 Sep 1998 11:59:55 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I've enjoyed the commentary on the Meissner receiver kit - sure brings back memories! That was my first real receiver, circa 1945. 76 regenerative detector, 76 audio, and 76 diode connected as rectifier. It sure works, but roughly; regeneration is controlled by shunting the feedback coil with a pot, which is noisy when regenerating, and dc is run through the headphones. I found that dc through the headphones is the fastest way to de-magnetize headphones! (Never-mind the safety problem - I think I remember an occasional shock) Anyway, it was good start to a long career or hobby or whatever it was.

Richard Brunner, AA1P, rbrunner@gis.net

Date: Sat, 26 Sep 1998 11:57:15 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Meissner Receiver Kit
Message-ID: <Pine.ULT.3.96.980926115511.7680A-100000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Speaking of the Meissner, back in the 50's I had a regen kit that used a 1T4 and 3V4 (as I recall) and plug-in coils. It was sold in the Boy Scout stores and I think maybe it was made by Philmore. Anyone remember that one?

```
                    "Nostalgia is a thing of the past"
        E-mail broehrig@admin.aurora.edu           73 de Bob, K9EUI
            CIS: Data / Telecom   Aurora University, Aurora, IL
                      630-844-4898  Fax 630-844-5530
```

From: "Tom R. Rice" <tomrice@netcom.com>
Message-Id: <199809261808.LAA09246@netcom4.netcom.com>
Subject: Relay help needed, please.
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sat, 26 Sep 1998 11:08:17 -0700 (PDT)
Cc: glowbugs@piobaire.mines.uidaho.edu (free glowbugs)
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

I have some relays which I hope would be good in keyers but I need to know the contact specs. If someone out there has an appropriate catalog and could provide the info, I'd be grateful, if not eternally, at least for a good, long time.

These guys are the size of a miniature tube with a 7-pin base, i.e., 1 1/2" high & 5/8" dia. The contact setup is one form C.

```
1.   Babcock BR1-9K-1.5-3.0    TS
             BRE-1005-7
```

(It's that 9k coil that excites me ;-)

2. Potter & Brumfield SM5DS 6 VDC

Thanks in advance, WB6BYH

--
"Start off every day with a smile and get it over with." --W.C.Fields
Tom R. Rice
tomrice@netcom.com

Date: Sat, 26 Sep 1998 14:13:31 -0400
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <199809261813.OAA21080@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Meissner Receiver Kit

Bob:

You had a Meissner 2BK. I had the 3BK, an AC-DC kit with a 35W4, a 50B5, and a 12AT6. Just found it in 1952 Radio Masters.

& I got it's replacement @ Dayton this year. Gray front panel with 0-100 tuning scale & wire pointer (current one is plastic). Copper chassis. "Plug-in coil" is regular solder-lug variety that fits into a custom-molded socket that's just right. Only example of that I'd ever seen.

Mine's also been 'improved' with a bandspread variable.

This`s only an "admire me" thing & I promise no CX action for it tomorrow.

There's a former list member here that wrote one up a year back.

Marty

Message-ID: <360D308B.63A959BE@bw.webex.net>
Date: Sat, 26 Sep 1998 14:20:59 -0400
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Meissner Receiver Kit
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have two of these radios. One is the 2 76's job. My 1941 Radolek catalog shows a similar set under the Philmore name, and others under the Meissner name with one, two, or three octal battery tubes. My "Philmore" set has a 7" by 5.5" front panel, is punched for three tube sockets, and has a slot on the back wide enough for the 5 screw battery terminal strip that one of the other guys mentioned.

The second set has documentation. It is a Meissner Explorer Short Wave Radio Kit. It uses a 1T4 and 3V4. (Roehrig's memory is holding up ok!) Front panel is 7.75" by 4.25". The chassis is aluminum rather than steel, and has holes for three seven-pin tube sockets. The lips of the chassis have punched threaded vertical holes so I suspect there was a cabnet available as an option. The battery terminal strip has four screws.

The common thread amoung these receivers seems to be the Meissner 7/8" diameter radial-contact plug-in coils and matching socket. The Explorer instructions list the following coils"

18-3500	170-540 KC
18-3501*	Broadcast band
18-3502	1.4-4.5 MC
18-3503*	3.2-8.2 MC
18-3504	8-18 MC
18-3505	15-34 MC

* Supplied with Explorer kit.

I also have an 18-2943, 299 to 545 meter, coil that came with the Philmore set.

73, Al

Bob Roehrig wrote:
>
> Speaking of the Meissner, back in the 50's I had a regen kit that used
> a 1T4 and 3V4 (as I recall) and plug-in coils. It was sold in the Boy
> Scout stores and I think maybe it was made by Philmore. Anyone
> remember that one?
>

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822

Web Page: http://www.webex.net/~skywaves/home.htm

Message-ID: <360D341E.CE65696@pixi.com>
Date: Sat, 26 Sep 1998 08:36:14 -1000
From: rcote <rcote@pixi.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: tubes
Content-Type: multipart/alternative;
boundary="------------3671E54C6A4C47B331F4063B"

--------------3671E54C6A4C47B331F4063B
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sent this msg out yesterday, but I must have done something wrong. I uld not post to ANY newsgroups or e-mail-- probably the ISP <g> This is a second try.

Have the folllowing for sale.
5----7360 NIB for $24 each   RCA
1---JAN CHY 5692 on tube, box marked 6SN7WGT. Base is brown, and most my 6SN7 tubes are black. BRAND ON BASE "CBS"
5----5Y3 WGTA $9 ea GE, SYL, GTE...
2----5Y3 WGTB $10 ea GE, SYL
10--6BQ5 $12.00 ea   GE, SYL ECG..
15-- 6CW5 (EL86??) $8 ea Raytheon, Mullard
10-- 6267 $27.00 ea   Amperes, Mullard, Argent, Westinghouse
2-----6V6 $10.00 ea   Sylvania
25-- 6V6GT $11.00 ea   GE, ECG, SYL, GTE
10---6V6GTY $12.00 ea SYL, GE
5-----6V6Y $16.00 ea   RCA
20---5755 $12.00 ea   Raytheon
20---6SL7GT/WGT $ 7.00 ea   RCA, SYL, Tung-sol
15---6SN7GT/WGTA $7.00 ea   SYL, GE
40---6DJ8 $8.00 ea Sylvania, GE

All are NOS, and guaranteed good. Orders less than $25 add shipping, $3.00 and $25 and over no charge for shipping.

I will entertain swaping for R-390A parts or modules, Even-Steven
Make me an offer I cannot refuse, or give me something to mul over.
Ray

```
--------------3671E54C6A4C47B331F4063B
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
<TT></TT>

<P><TT>Sent this msg out yesterday, but I must have done something wrong.&nbsp;
I uld not post to ANY newsgroups or e-mail-- probably the ISP &lt;g>&nbsp;
This is a second try.</TT><TT></TT>

<P><TT>Have the folllowing for sale.</TT>
<BR><TT>5----7360 NIB for $24 each&nbsp;&nbsp;&nbsp; RCA</TT>
<BR><TT>1---JAN CHY&nbsp; 5692 on tube, box marked 6SN7WGT.&nbsp; Base
is brown, and most my</TT>
<BR><TT>6SN7 tubes are black.&nbsp; BRAND ON BASE&nbsp; "CBS"</TT>
<BR><TT>5----5Y3 WGTA&nbsp;&nbsp; $9 ea GE, SYL, GTE...</TT>
<BR><TT>2----5Y3 WGTB&nbsp; $10 ea&nbsp; GE, SYL</TT>
<BR><TT>10--6BQ5&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; $12.00 ea&nbsp;&nbsp;
GE, SYL ECG..</TT>
<BR><TT>15-- 6CW5 (EL86??)&nbsp; $8 ea&nbsp; Raytheon, Mullard</TT>
<BR><TT>10-- 6267&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; $27.00 ea&nbsp;&nbsp;
Amperes, Mullard, Argent, Westinghouse</TT>
<BR><TT>2-----6V6&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; $10.00
ea&nbsp;&nbsp; Sylvania</TT>
<BR><TT>25-- 6V6GT&nbsp;&nbsp;&nbsp; $11.00 ea&nbsp;&nbsp; GE, ECG, SYL,
GTE</TT>
<BR><TT>10---6V6GTY&nbsp; $12.00 ea&nbsp; SYL, GE</TT>
<BR><TT>5-----6V6Y&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; $16.00 ea&nbsp;&nbsp;
RCA</TT>
<BR><TT>20---5755&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; $12.00 ea&nbsp;&nbsp;
Raytheon</TT>
<BR><TT>20---6SL7GT/WGT $ 7.00&nbsp; ea&nbsp;&nbsp; RCA, SYL, Tung-sol</TT>
<BR><TT>15---6SN7GT/WGTA&nbsp;&nbsp; $7.00 ea&nbsp;&nbsp; SYL, GE</TT>
<BR><TT>40---6DJ8&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; $8.00&nbsp;
ea&nbsp; Sylvania, GE</TT><TT></TT>

<P><TT>All are NOS, and guaranteed good.&nbsp; Orders less than $25 add
shipping, $3.00 and $25 and over no charge for shipping.</TT><TT></TT>

<P><TT>I will entertain swaping for R-390A parts or modules, Even-Steven</TT>
<BR><TT>Make me an offer I cannot refuse, or give me something to mul over.</TT>
<BR><TT>Ray</TT>
<BR><TT></TT>&nbsp;
<BR><TT></TT>&nbsp;</HTML>

--------------3671E54C6A4C47B331F4063B--
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Date: Sat, 26 Sep 1998 14:39:18 -0400
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <199809261839.OAA21109@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Meissner Receiver Kit

3BK Meisner tube line-up correction:

50B5 rect., 50B5 autio, 6BJ6 Det.

I peeked at it.

And '52 Masters agrees with coil options, Al!

Marty

Message-Id: <199809261821.NAA01818@smtp1.mailsrvcs.net>
From: "Roger Dillon" <rogerjd@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: Halli PN 50C067 IF trans
Date: Sat, 26 Sep 1998 13:25:36 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Found a few Hallicrafters IF transformers at a flea mkt this morning.
The part # is 50C067-G and they are new in the box.
Packing date is June, 1952.
I opened one to be sure they were not corroded. They're shiny as new.
Does anyone know what model they are from?
The coil is fixed and the adjustment is by way of padder condensers.
Does anyone need one?
Thanks.
73
Roger
N5PGH

To: Old Tube Radios <boatanchors@theporch.com>
Cc: glowbugs@piobaire.mines.uidaho.edu
Date: Sat, 26 Sep 1998 14:14:55 -0700
Subject: FMLA: Boy "Over There"
Message-ID: <19980926.141516.-233007.3.MNHopkins@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit
From: mnhopkins@juno.com (Michael N Hopkins)

I won't say Frank has moved in. It is not that formal, but he can get in my yard past the dog and geese at will and I often find him puttering in my basement workshop at all hours. He never asked, but is a better housekeeper than my wife, please, so I tolerate it. I am used to seeing him. But yesterday morning, at about 4 a.m., there were two of them.

I don't mean two Franks. Two delusional if dapper dudes planning to retake 56-60 mc when the FCC moves TV up with a "Five Meter Liberation Army" would overload any circuit. But Frank had a military advisor, and not one of the W.A.R. wierdos I have seen him with. This one was a major in the regular army, signal corps by the insignia I memorized from a childhood fascination with WWII, but the uniform looked more like a Scoutmaster.

They saw me coming down the stairs and Frank made a hasty, somewhat distracted introduction to "The Major," before they went back to a box of stuff which I learned, from the coloquy of it all, they picked up around the neighborhood. "My theory," Frank was saying, "is that any pasteboard box of well chosen refuse should produce a usable communications device." He then showed The Major a 2N2222 gleened from a broken casette recorder, saying it was "like a triode." The Major became somewhat animated. In no time they had some TO-220 horizontal outputs in push-push for a TX and a handfull of the 2N222s arrayed as a regenerative superhet with a 3.579 mc IF using a 4.5 IF can from the same remnant of a dead "home entertainment center" Their chassis was a tire-marked sign for DART (Dallas Area Rapid Transit), and they used octal sockets and plugs for every discrete device.

I was impressed. In about an hour they were making contact after contact on 40 using seemingly random calls issued prior to the W series. The stations kept asking them if they were DX. All this was accomplished loading my 30M full wave loop against ground with the twinlead feeders shorted together. They were using a piezo buzzer for a speaker and congratulating one another on its restricted range as I started picking up
the unused trash, enumerating each item so as to ecourage future fastidiousness. It was then the Major disappeared in a puff of smoke.

It could not be the B+ as they were using a burglar alarm Yusua that would not charge past 11.8.

"What happened?" I asked.

"It was the Vodka," answered Frank.

"Did the Major drink/" I asked?

"No, No, nothing like that," Frank explained, "When you read the label, "Smirnoff" he thought you said :"Sarnoff" and off he went.

"Gosh," said I, picking up another 1930ism, " I'm sorry."

"No matter," said Frank as he turned back to the sideswiper key made from a broken hacksaw blade, "The Major always comes back to us." "I scared him off once, too, with a hackneyed expression: "I said: 'You cannot see the forest for the trees,' and he thought I said 'DeForest.' "

73 de ab5L, michael in Dallas, student of Six Meters' Golden Age, 1957-58, and two of its jewels: Tecraft and International Crystal ham products.

Michael N. Hopkins   FMLA viii
Box 226841
Dallas, TX 75222   MNHopkins@Juno.com

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Date: Sat, 26 Sep 1998 16:17:16 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Meissner Receiver Kit
Message-ID: <Pine.ULT.3.96.980926161107.10031B-100000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK - I also have another receiver which sounds similar to the one you mentioned using 76 tubes. This one has 3 of them (one used as a rectifier). The chassis is 4 x 7 and the panel is 56 1/2 x 7 (both steel). Uses those same "wierd" coils, which I don't have. The line cord has the 3rd wire in it to drop the filament voltage. Looks like the regen pot is across the tickler winding (not absoultely sure of coil pinout since I don't have any coils).

The front panel is painted black and has white numerals spanning 180 degrees (looks like 10 to 100), The markings are obscured by a

4 inch dia vernier dial. The tuning cap is a single section but the
cap frame was made for a dual section cap (one set of plates missing).
WOnder if the vernier dial was an add-on or a mfr's supplied improvement.

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Message-Id: <199809262219.WAA24139@mail-out-4.tiac.net>
From: "Richard Solomon" <w1ksz@tiac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTD: URM-26A Cal Info
Date: Sat, 26 Sep 1998 18:17:15 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Can someone copy the maintenance/calibration section
from the URM-26A manual for me ? Mine needs a bit of
tweaking. Tnx es 73, Dick, W1KSZ

Date: Sat, 26 Sep 1998 19:44:44 -0400
From: "Andrew E. Howard, Sr." <sweetbay@compuserve.com>
Subject: Western Electric 215A tubes
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199809261945_MC2-5AC3-C5C4@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hello to all,

Does anyone have information on the Western Electric 215A tube? I have a
pair of them and was wondering if they are valuable like some of the othe=
r
Western Electric types. I can find no infomation on them.

Any help appreciated.

Thanks and best wishes,

~~~~~~
Andrew E. (Andy) Howard, Sr., WA4KCY
~~~~~~

105 Sweet Bay Lane
Carrollton, Georgia 30116-8519
Telephone 770-832-0202
AMI #9 - Southeastern Division Director
Web Page URL -
http://ourworld.compuserve.com/homepages/sweetbay
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Keeper of the Hallicrafters SX-88 Owners List

Message-ID: <00ad01bde9c3$753f0200$2718bfd1@n4fs>
From: "Mike B. Feher" <n4fs@monmouth.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Western Electric 215A tubes
Date: Sat, 26 Sep 1998 20:03:50 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Andy -

The 215A, otherwise knows as the peanut tube or VT-5 is pretty common. If you try hard you might be able to get up to $20 each for them. 73 - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

-----Original Message-----
From: Andrew E. Howard, Sr. <sweetbay@compuserve.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Saturday, September 26, 1998 4:46 PM
Subject: Western Electric 215A tubes

Hello to all,

Does anyone have information on the Western Electric 215A tube? I have a pair of them and was wondering if they are valuable like some of the other Western Electric types. I can find no infomation on them.

Any help appreciated.
~~~~~~

Thanks and best wishes,

~~~~~~
Andrew E. (Andy) Howard, Sr., WA4KCY
105 Sweet Bay Lane
Carrollton, Georgia 30116-8519
Telephone 770-832-0202
AMI #9 - Southeastern Division Director
Web Page URL -
http://ourworld.compuserve.com/homepages/sweetbay
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Keeper of the Hallicrafters SX-88 Owners List

End of BOATANCHORS Digest 2232
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